

Human	PVLQKTEFEALCIVITFHRVILLARAFPTRTVGFMHIL - . GHNQRMFPLGDSIMQLVATEYLFIHF
Worm	PTLSTFHAEERIGIQFNNTNTRLLAKAFTTRNTIPNNDLTK - . GHNRQLEWLGDSVLQLIVSDFLYRFPYHHEGMSSLLRTSLVSNOTQAVVCDLQFTE
PAC	GEYPPPLPLRSEHKLKEQYFMEHTSRAYETTPNQSNPNEFLDIHNERLEFLGDSFFNLFFTRILFSKFPQMDEGSSLKLRAKFVGNESADKFARLYGFDK
RNT	KATKWPPLKPEIQLAIRARVTFHKETTIDKVYLSGSEMINAINTERLEFLGDSILNSWTLLIYNKFDPDSEGSQLSTLRMNLVSNEQIKOWSIMYNTHE
RNC	MNPIVINRLQRKMLGTTNHQELLQQALTBRASS - . . . . . KINERLEFLGDSILSYRVIANALYHRFPRVDEGDMMSMRATLVRGNTLIAELAREFELGE
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Human	YAITNDKTRPV - . . . GLRTXTLADLLESFTAALYTDRDLEYVHTF - MNVCFFPRIKEFFILNQDWNDPKSQLOQQCLTLRTE - . . . . . GKEPDIPLYKT
Worm	FVIK-APYKTP - . . . LKLDKDADEYEAFTICALYVDRGIEHCRCAF - IRIVFCPRLKIFIIESEKNDAKSHIQQWCLAMRDP - . . . . . SSSSEPDMPEYRV
PAC	TIVLSSYGAEDQ - . . . LRKSQKVYADTFEAYLGALILDQEEETAFQWVSRLLQPKIANITVQRPIDKLAKSKLTHKYSTL - . . . . . GHIEYRW
RNT	KLKTNFDLKDENENTONGKLKJYADTFEAYGGLMEDDPRNLPK - . IRKWLRKLAKPVIEEATRNQVALEKTDKLDMNAKRQLYSLIGYASLRLHYVT
RNC	CLRLQPGELKSG - . . . GFRREBILADTFEALIGGVFLDSDIOTVEKL - . . . . . GRHLPLPTYLV
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Human	LQTVGSHARTTV - AVYTKOERIUGCKGPBIOQAEKGAMDALEKYNFQMAHQKRFIGRKYRQELKEWRWEREQEREPDETEIKK (end1374)
Worm	LGIECPTMNRIFKI - AVYTKGKRLABAESNVHKAELRYAELALANLESMSFSKMTKAKNNSNMRRLQDTS (end412)
PAC	VDCAGGSAREGTYI - . ACITNGKKEYVARAWGANQKDAGSRAAMQALEVLAKDYSKTR (end363)
RNT	VKKPTAVDPNSTVE - CRVODCTYLTGTCVGRNIKLAGIRAAENALRDKKMDFYAKQRAAIIPRSESVLKDPQSQNKKRKFSDTS (end471)
RNC	VQVRGEAHDQEFTTHCQVSGLSEPVVGTGSSRRKAEQAAAEOALKKLE (end226)

Human	GCHGARPSAPSFRQNLRLHQQPYQYEPBAPSTTNSNAPNTLPPRDPDFVPPPMPPSAQGPPLPPCPIRPPPFPNHQMRHPFPVPPCFFPPMP PPPPCPNNPPVPGAPPGOCTPMMPPMPHPPPPVMPQQVNQYPGYSHNFNTPPPSNSFQNNTPSSFLPSANNSSSSPFHRLLPYPLPKAPSERR
Human	SPERLKHDDHRDHSKGRCERERSLDRRERGRSPDRRQDSRYRSYDORRTPSRHRSYERSRERERERHRHDNRSPSLERSYKKEYKRSGRSYG LGVVPEAGCTPELPGEIKNTDAPPLEITVNRSPGREKKARWEETKDRWSDNQSSGKDKNNTSIKEKEPEETMPDKNEEEEEEELLKPWIRCTHS
Human	ENTYSSDPMDQYDSDSTVGTBRDLYDKTEEEELGSRQEKAARPPWEPPTKLDEDLESSSECESESDEDSTCCESSDSEVFDVIAEIKRKKAHPDR LHDELWYNDPQMQNDGPLICKBAXKARTOIRHAIYPCFEAIKPCRPMTNNAAGRFLHYRITVSPPTNFLTDRPTVTEYDDKEYIFEGFSMFAHPLTNIP
Human	LCKVTRNIDYTTHIEEMPPENTCYKGLFELSFNLFRDILEYDWNLKGPLFEDSPPCCPRFHMPRFVRFLPDGGKEVLSMHQILLYLRLCSKALVP EEIAMMLQWEELWQKYAEECKGIVTVNPCTKPSVRIDLREQFTPDVITFPII1VHFGIRPAQLSYAGDPQYQKLWKSYVKIRHLLANSKVKQTD
Human	KOKLAOREEALOKIROKNTARREVTEVLSQGFWKTGIRSDVCQHAMALPVLTWKIRYHQCLMHLDKLIGTTQDRCRCLLQLAMTHPSHHLNFGMNPDHAA MEQGNICHKMSFHGRUCFASA

Human	RNSLSNCGIRQPKYQDRKVRHMMRKKCINTLIMI MSLFNIMKGTSGGEPILHNERLEYLGDAVVELIVSHHLY WOTM PAC	RNSLSNCGIRQPKYQDRKVRHMMRKKCINTLIMI MSLFNIMKGTSGGEPILHNERLEYLGDAVVELIVSHHLY MGRFKRHEGDSDSSBASDSLSRGRRSLGHKRSSHKRNQVY PNT
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Human	MIAKKLE-LDPDFML-YAEGPDLCRESDURHAMANCREALIGAVYLEGGSLLEAKQFLG--	RLL-FNDPDIREWLNYPHLHPL-Q-LQEPNTRQLIET
Worm	TIAKRNCR-TDE-MLQYSHGADLINVAAFKHALANAFEAVMAATYLDGGGLAPCDVIFS--	KAMYGHQPVILKEKWDHINEHEH--KRDPGQDRDLSFIT
PAC <sup>+</sup>	TIEEKIRKLMFAMKALIIEETKHT--	KDDVNLYVIPGSTWSHLEGTYEMLKSRRHDQNNEPVIEEPSSHPKNQKQOENNEPTSEEFEF
RNT	KLAELKTLDLKDKDAILTEITDYNENEDTQEQQK--	PILOQEIISKADMERKLEQVKREKIDVNTYENLNKEDEEEDEGEDSYDPTKAGDIV